

## ABSTRACT OF THE DISCLOSURE

A signal converter for converting a digital input signal to an optical modulation signal includes a pilot

5 signal-superimposing circuit which superimposes a pilot signal on a bias control signal, a monitor circuit for providing a monitor signal by receiving a part of the optical modulation signal supplied from the optical modulator, a first feedback system for providing an amplitude control signal to control an  
10 amplitude of the digital input signal through a frequency deviation signal obtained from the monitor signal, and a second feedback system for providing the bias control the bias signal through a multiplying frequency deviation signal obtained from the monitor signal.

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